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IN THE UNITED STATES PATENT AND  
TRADEMARK OFFICE

Application Number: 09/879,480  
Applicants: Jack C. Whittier, Barbi A. Riggs, Patrick D. Burns and  
George Seidel  
Filed: June 12, 2001  
Title: Integrated Herd Management System Utilizing Isolated  
Populations of X-Chromosome Bearing and Y-Chromosome  
Bearing Spermatozoa  
TC/AU: 1634  
Examiner: Carla J. Myers  
Assignee: Colorado State University through its agent Colorado State  
University Research Foundation  
Attorney Docket: HrdMgmtCIP  
Customer No. 33549

**EXPLANATION OF THE RELEVANCE OF NON-ENGLISH  
INFORMATION CITED PURSUANT TO 37 C.F.R. §1.98(a)(3)**

Pursuant to 37 CFR §1.97(c)(2), the Applicant hereby submits the references indicated on the attached list. As a means of complying with the duty of disclosure set forth in 37 C.F.R. §§1.56, 1.97, and 1.98, the following information may be material to the examination of the referenced application. Pursuant to 37 C.F.R. § 1.97(g), the Information Disclosure Statement should not be construed as a representation that a search has been made. Additionally, pursuant to 37 C.F.R. § 1.97(h), the filing of this Information Disclosure Statement shall not be construed as an admission that the information cited is or is considered to be material to patentability as defined in 37 C.F.R. § 1.56(b). A copy of each Foreign Reference or "Other" reference cited is enclosed.

This submission includes as follows a concise explanation of the relevance of non-English Information as cited in the Supplemental Information Disclosure Citation enclosed herewith, in compliance with 37 C.F.R. §1.98(a)(3) and MPEP §609 A(3).

Ozhin F.V. et al. Artificial insemination of farm animals. Moscow, Izdatelstvo Selskokhozyaastvennoi Literatury, 1961, pp. 350-361 and pp. 380-393 may include disclosure relative to artificial insemination of farm animals.

Prokofiev M.I. Regulyatsia Razmnozhenia Selskokhozyastvennykh Zhivotnykh, Leningrad, NAOUKA Publishing House, 1983, pp. 181-195 was cited in an application that may involve technology generally relevant to that of the instant application. The Assignee has not had it translated.

Solsberry G.U., Van-Denmark N.L., Theory and practice of artificial cow insemination in USA, Moscow, KOLOS Publishing House, 1966, p. 346 may include disclosure relative to artificial insemination of cows.

Wintzer Et al.: "Krankheiten des Pferdes Ein Leitfaden fur Studium und Praxiz," 1982, nParey, Berlin Hamburg XP002281450 may include disclosure relative to artificial insemination.

van Munster, E. B., "Geslachtsbepaling met interferometrie", Derde prijs NtvN-prijsvraag voor pas-gepromoveerden 65/4, (Sex Determination with Interferometry) p. 95-98 (1999) may include disclosure relative to sex determination with interferometry.

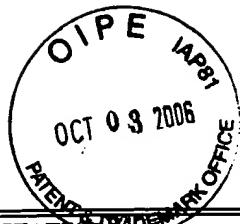
Dated this 3 day of October, 2006.

Respectfully submitted,  
SANTANGELO LAW OFFICES, P.C.

By:



Misha Gregory Macaw  
Attorney for Assignee  
USPTO Reg. No. 55,417  
125 South Howes, Third Floor  
Fort Collins, Colorado 80521  
(970) 224-3100



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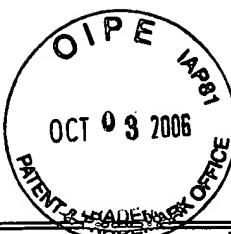
<b>IN THE UNITED STATES PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	APPLICATION NO:	09/879,480
	FILING DATE:	12-Jun-01
	FIRST NAMED INVENTOR:	Jack C. Whittier
	ART UNIT:	1634
	EXAMINER NAME:	Carla J. Myers
	DOCKET NO:	HrdMgmtCIP

### I. US PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO. & KIND CODE (if	PATENTEE OR		Pages, Columns, Lines Where Relevant Passages
	4,007,087	Ericsson	2/8/1977	
	5,466,572	Sasaki et al.	11/14/1995	
	7,094,527	Seidel et al.	8/22/2006	
	2005/00282245	Ludwig et al.	12/22/2005	
	2005/0244805 A1	Ludwig et al.	11/3/2005	
	20050214733 A1	Graham et al.	9/29/2005	

### II. FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Foreign Patent Document Country Code, Number, Kind Code (if known)	PATENTEE OR APPLICANT NAME	PUB'N DATE mm-dd-yyyy	TRANSLATION Yes	TRANSLATION No
	UK 1471019	United Aircraft Corp.	4/21/1977		
	WO 2006012597 A2	Monsanto Technology LLC	2/2/2006		
	WO 93/17322 A1	Univ. of Hertfordshire GB	9/02/1993		



### III. OTHER REFERENCES

EXAMINER INITIAL	Document
	Canadian Patent Application No. 2,411,462; Examination Report dated 08-03-2006
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	Seidel, G. E. Jr., et al., Methods of Ovum Recovery and Factors Affecting Fertilization of Superovulated Bovine Ova, Control of Reproduction in the Cow, Sneenian ed., 1978, pp 268-280
	Hawk, H. W. et al., Effect of Unilateral Cornual Insemination upon Fertilization Rate in Superovulating and Single-Ovulating Cattle, Journal of Animal Sciences, 1986 vol. 63, pp 551-560
	Andersson, M. et al., Pregnancy Rates in Lactating Holstein-Greisian Cows after Artificial Insemination with Sexed Sperm. Reprod. Dom. Anim 41, 95-97, 2006
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	Smorag, Z., et al., Cattle Sex Regulation by Separation of X and Y Spermatozoa – Preliminary Results of Field Experiment in Poland, Reproduction, Fertility and Development 17(2) 306–306; 01/01/2005
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	Lindsey, A.C., et al. Hysteroscopic insemination of low numbers of flow sorted fresh and frozen/thawed stallion spermatozoa, Equine Vet J. 2002 Mar;34(2):106-7.
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	Hagele, W.C., et al., Effect of Separating Bull Semen into X and Y Chromosome-bearing Fractions on the Sex Ratio of Resulting Embryos; Cran J. Comp. Med, 1984: 48:294-298
	US Patent Application Number 11/422,735 filed 05/25/2006 entitled Apparatus, Methods and Processes for Sorting Particles and for Providing Sex-Sorted Animal Sperm
	Suh, T.K, et al., Pressure during flow sorting of bull sperm affects post-thaw motility characteristics; Theriogenology Vol. 59, No. 1, January 2003 p 516
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	Kume, Shin-ichi; Dept of Animal Nutrition National Institute of Animal Industry Tsukuba 305, Japan THE DAIRY INDUSTRY \$IN ASIA B. JAPAN; <a href="http://www.agnet.org/library/article/eb384b.html">www.agnet.org/library/article/eb384b.html</a>
	Crichton,E.; Huffman,S.;McSweeney,K.;and Schenk, J. 347 Artificial Insemination of Lactating Holstein Cows with sexed sperm: Abstract CSORP Publishing - Reproduction, Fertility and Development <a href="http://www.publish.csiro.au/nid/44/paper/RDv18n2Ab347.htm">www.publish.csiro.au/nid/44/paper/RDv18n2Ab347.htm</a>
	Lopez, H.,Caraviello, D.Z., Satter, L.D. ,Fricke, P.M. and Wiltbank, M.C.; Relationship Between Level of Milk Production and Multiple Ovulation in Lactating Dairy Cows Journal of Dairy Sci. 88:2783-2793; American Dairy Science Association, 2005.
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	Prokofiev M.I. Regulyatsia Razmnozhenia Selskokhozyastvennykh Zhivotnykh, Leningrad, NAOUKA Publishing House, 1983, pp. 181-195
	Solsberry G.U., Van-Denmark N.L., Theory and practice of artificial cow insemination in USA, Moscow, KOLOS Publishing House, 1966, p. 346
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EXAMINER:	DATE CONSIDERED
EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	